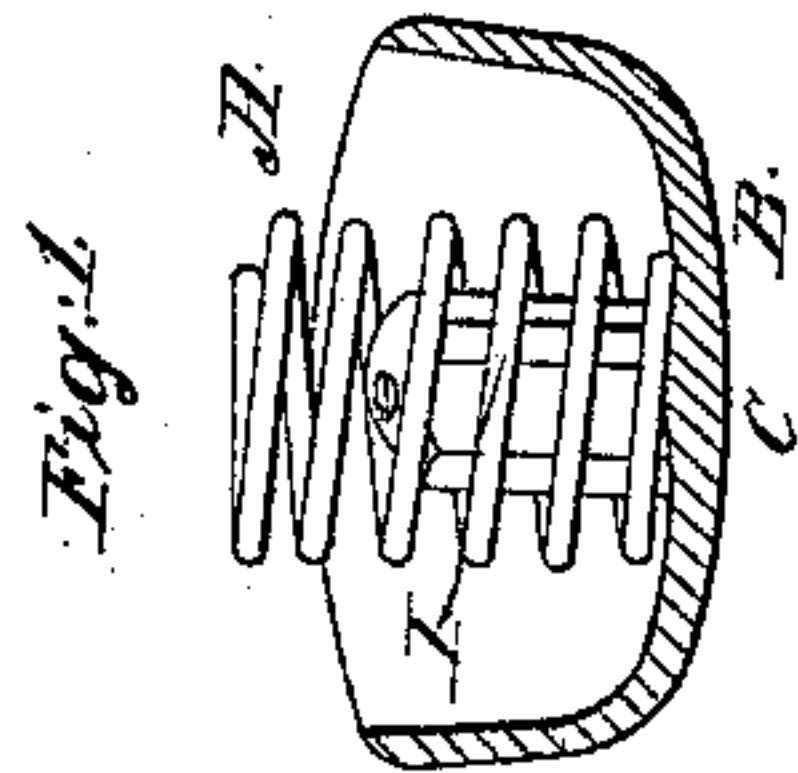
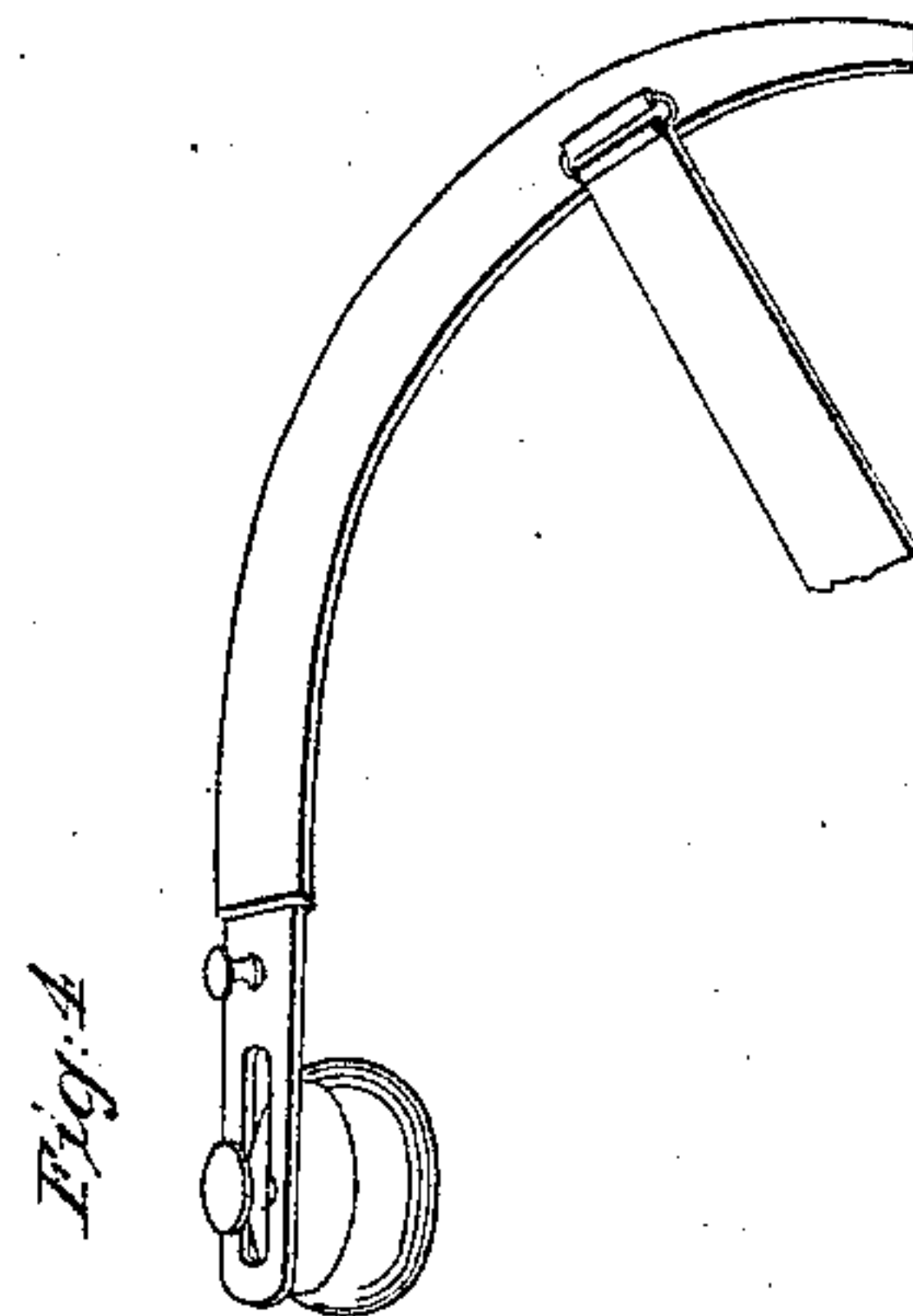
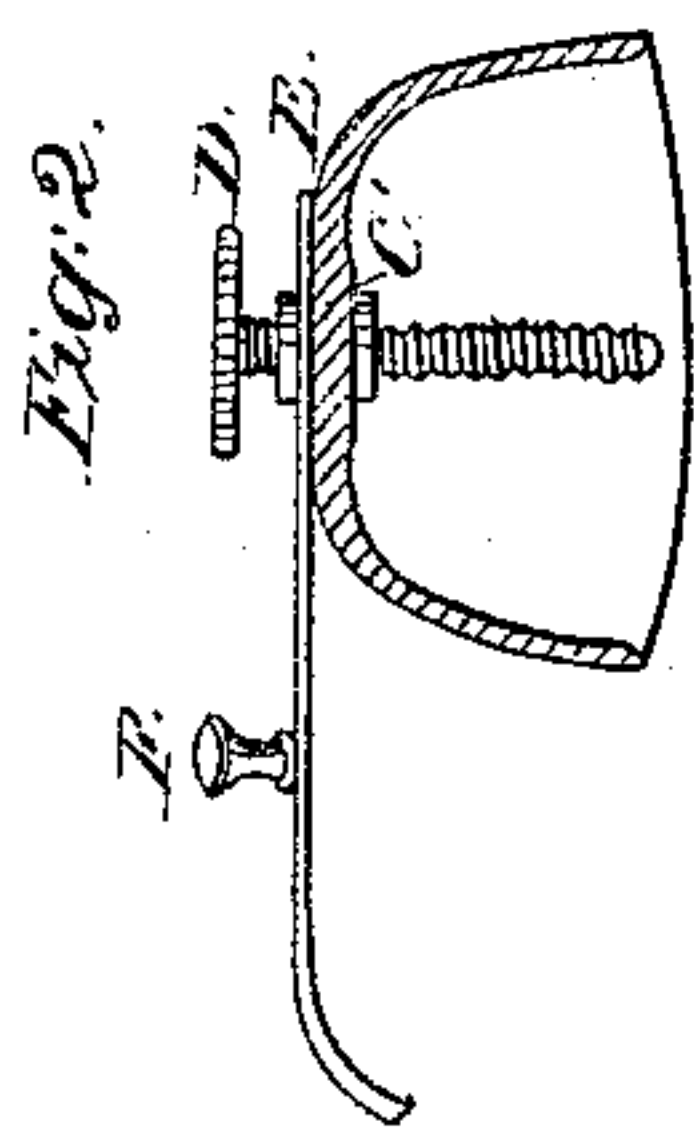
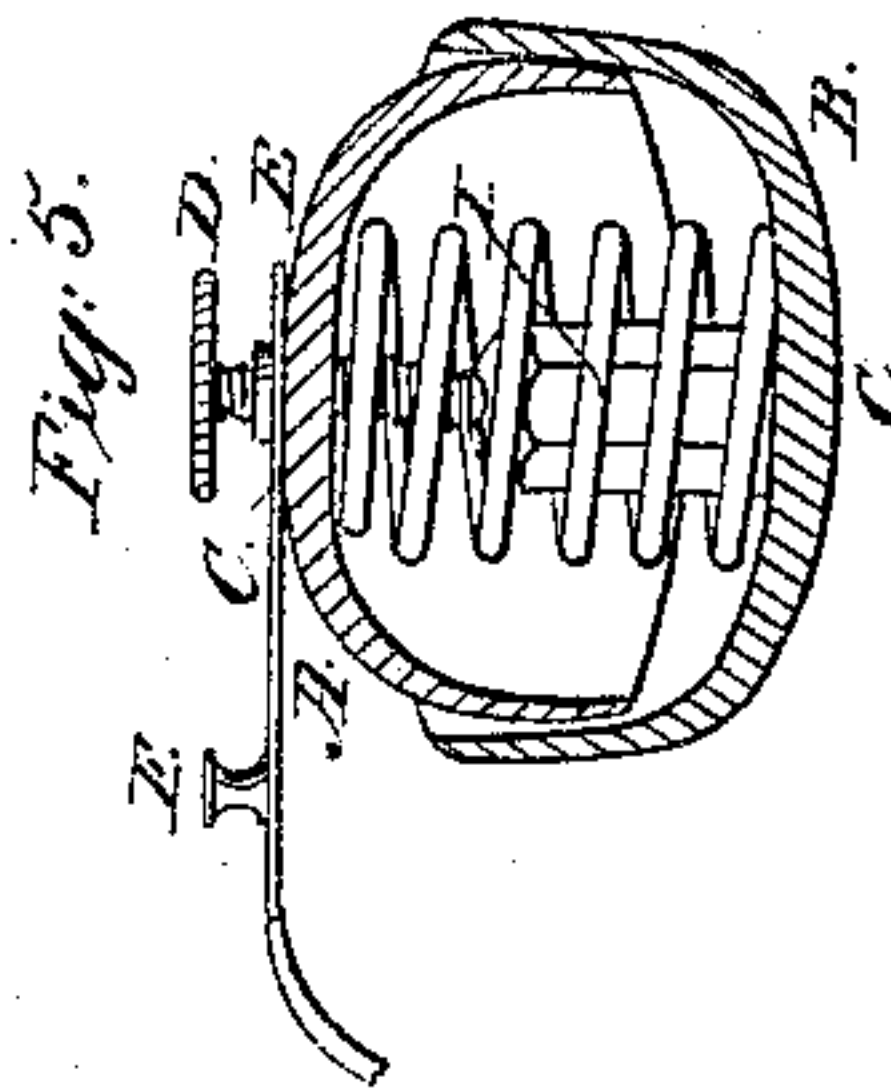
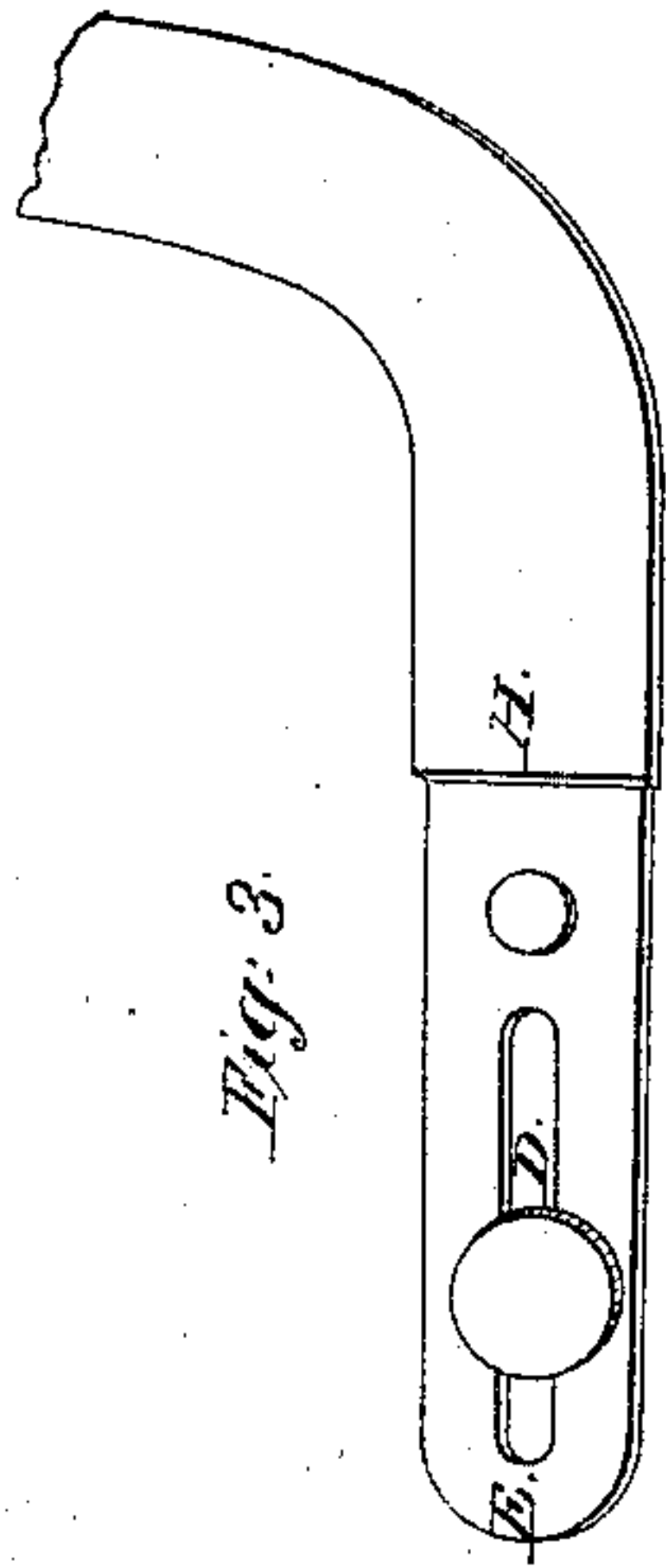


J. O. Bryan,

Truss.

N^o 33,980.

Patented Dec. 24, 1861.



Witnesses:
W. L. Hoskins
James B. Hoskins

Inventor:
John, Oscar, Bryan

UNITED STATES PATENT OFFICE.

JOHN OSCAR BRYAN, OF OWEGO, NEW YORK.

IMPROVEMENT IN TRUSS-PADS.

Specification forming part of Letters Patent No. 33,980, dated December 24, 1861.

To all whom it may concern:

Be it known that I, JOHN OSCAR BRYAN, of Owego, in the county of Tioga, in the State of New York, have invented a new and Improved Truss for Hernia or Rupture; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in providing an apparatus for hernia by which the pressure on the spine and back experienced in the use of other trusses is avoided and the necessary pressure over the hernial opening conveniently and accurately adjusted. The first is secured by having the bent bar or spring to reach from the rupture or place of accident to a point short of the spine, this to be confined by a strap or elongation of the covering of the bar or spring, and further secured by a perineal strap. The pressure over the place of accident is secured by means of two cup-like bodies made of wood or metal, the smaller being reversed and fitting within the larger, an iron standard having a screw cut on one end passing through the bottom of the larger cup and then fastened. The smaller cup, reversed, is slipped over the standard, concealing within the two cups a

spiral spring, the end of the standard passing through a fenestra or mortise at one end of the flat iron bar or spring, having a nut fitted to screw, by means of which the pressure of the spiral spring can be graduated to the demand of the case.

Figure 1 is the larger cup, being the size of an ordinary rupture-pad; A, a spiral spring; B, the thickness of the cup; C, the lower square end of the iron standard I. Fig. 2 is the smaller cup reversed; C, the cup slipped over the screw and the standard up through the mortise in the flat bar; D, the nut on the end of the screw; E, the forward end of the flat bar or spring; F, a knob or button for the strap to fasten to. Fig. 3 is the flat bar; E, the forward end; D, the fenestra or mortise; H, the leather covering; Fig. 4 shows the instrument put together with the perineal strap; Fig. 5, a sectional view of the pad when entire.

What I claim as my invention is—

The construction of the pad, consisting of the two cups, the helical spring, and the adjusting-screw, all combined and operating in the manner set forth.

JOHN OSCAR BRYAN.

Witnesses:

ISAAC HALL,
HALLAM C. CHAMPLIN.